

The Urgency of Now

4th annual Leaders in Energy Four Generations
Awards and Holiday Event

December 1, 2017, 6:00 - 9:00 pm

Crystal Gateway Complex

1300 Crystal Drive Arlington, VA 22202

www.lercpa.org



WELCOME

Wifi: Crystal Gateway

#LE4GEN

@LeadersinEnergy

This is Our 4th Annual Four Generations Awards Event - Recognizes Leaders Across Four Generations



Penny Gross, Albert Nunez, Janine Finnell (Presenting Awards), Dave McCarthy and Nofar Hamrany)

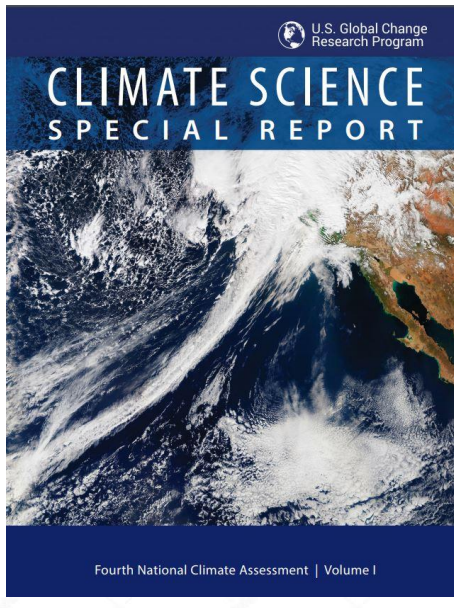


Inaugural Four Generations of Leaders Event Held in December, 2014

+ Celebrating Our 50th Event!



The Urgency of Now - Fourth National Climate Assessment Says Window of Time to Prevent Widespread Dangerous Effects is Closing Fast



1. Communities
2. Economy
3. Water
4. Health
5. Infrastructure
6. Ecosystem and ecosystem services
7. Agriculture
8. Tourism and recreation
9. Oceans and Coasts
10. Indigenous peoples
11. Interconnected impacts
12. Adaptation and mitigation



The Opportunity of Now – Clean Energy & Sustainability Developments Offer Potential to Transform Economy



Examples for Innovative Energy Solutions

Costs coming down in solar systems (both rooftop and utility scale). Solutions on horizon for solar dispatch in utility systems.

Many states moving towards regulation that encourages microgrids

Circular Economy

Battery Storage Development

New developments in small nuclear systems

Growing support and funding resilience and climate adaptation.

The Urgency for Leadership to Spark Collective Action and Transformational Change



Martin
Luther King
– civil
rights
activist



Susan B. Anthony
– leading to women's
right to vote in 1920



Jane Goodall – inspiring
people to conserve the
natural world we all share
to improve the lives of
people, animals, and the
environment.



Elon Musk – clean energy visionary



Nelson Mandela – ending apartheid in South Africa

Leaders in Energy Mission & Focus Areas

Mission -- Building a community of leaders to advance clean energy and sustainable solutions for a more sustainable energy system, economy and world



Sustainable Communities including clean energy, circular economy



Green Economy including green jobs, entrepreneurship, careers, & finance



Multigenerational Leadership and Talent

Building a Global Action Network



Leaders in Energy presence in Ten+ US Metro areas, 103+ countries (24 countries with 7 or more members)

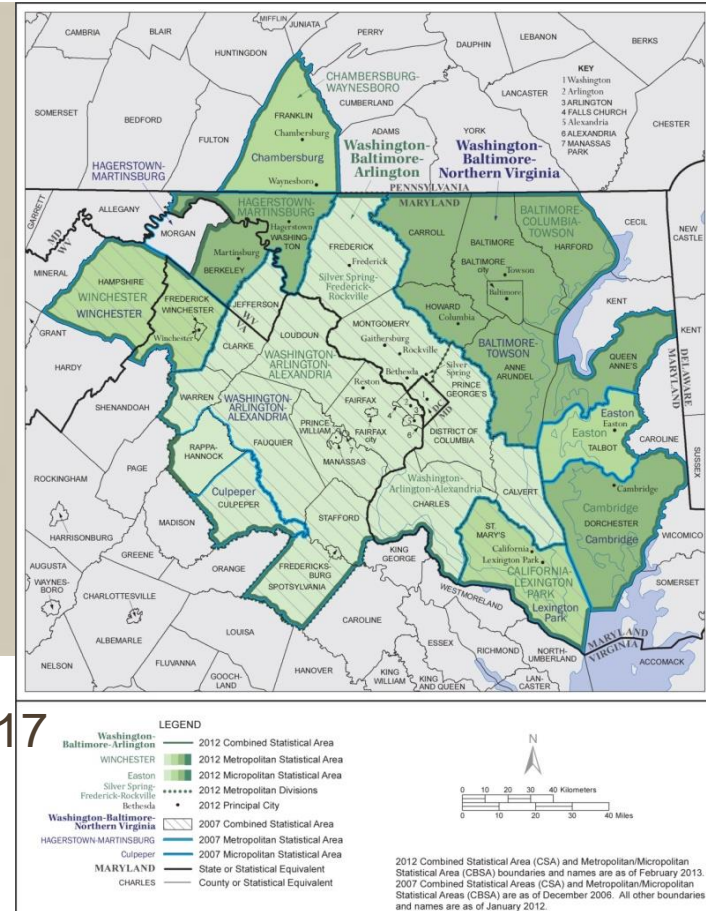
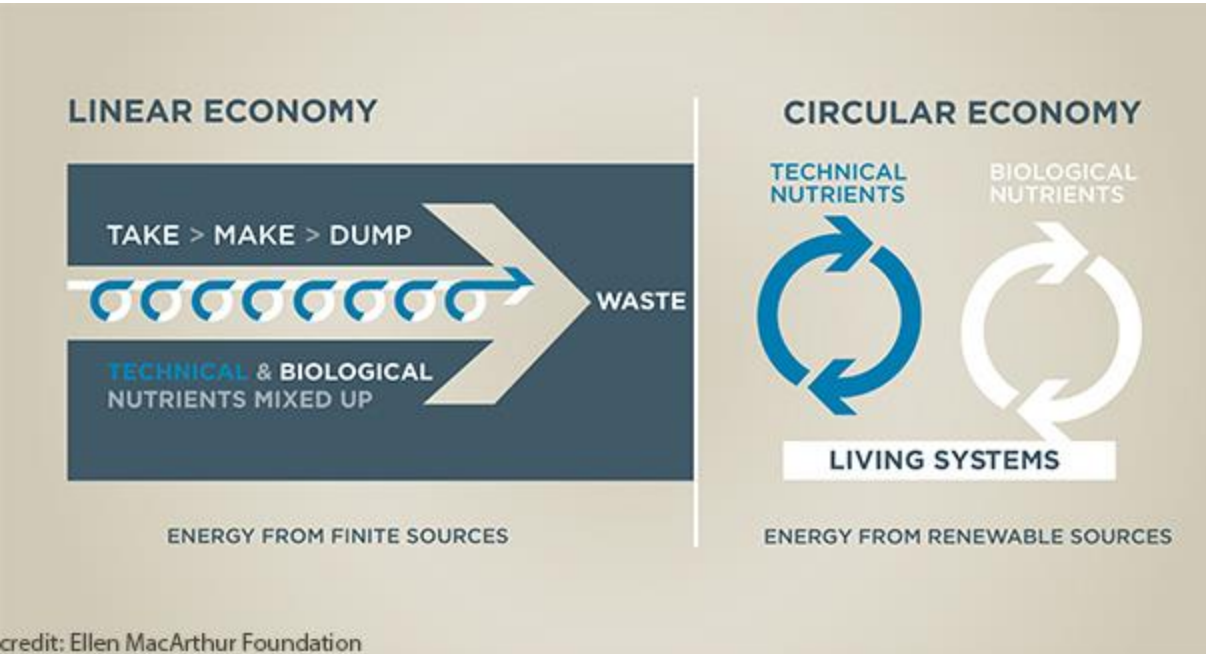
Sharing Expertise on Specific Solutions - Microgrids to Reduce Greenhouse Gases & Improve Resiliency

“Improving Resiliency through Microgrids &
Battery Storage”, October, 19, 2017



Source: <http://theartemisproject.com/energy-microgrids-thirsty-world/>

Sharing and Transferring Innovative Solutions to Move Away from a Throwaway Society - The Circular Economy



Workshop at University of the District of Columbia, 9/28/17



University Showcase – Connecting on Sustainable Solutions for Tomorrow's Campuses



Nissan LEAF
100% Electric



American University
Georgetown University
George Washington University
Northern Virginia Community College
University of the District of Columbia
University of Maryland



Connecting People on Green Jobs and Careers

4th annual Green Jobs Forum & Green Career Workshop - August 17, 2017



Cadmus
Career Confidence
DC Sustainable Energy
Utility
GRID Alternatives Mid-
Atlantic



Home Energy Medics
The Solar Foundation
Tesla
40Plus of Washington

Leaders in Energy Four Generations Lifetime Achievement Awardee



**S. David Freeman,
Senior Advisor with Friends of the Earth**

Leaders in Energy Four Generations Awardees



World War II/Traditionalist:
Louise Meyer,
Co-founder of Solar
Household Energy



Baby Boomer:
Dr. Kam Ghaffarian,
Ph.D., Founder and
Chief Executive
Officer, X-Energy



Gen X: Lori Arguelles,
President and
CEO of the
Alice Ferguson
Foundation in
Maryland



Millennial:
Camila Thorndike,
Carbon Pricing
Campaign Director,
Chesapeake Climate
Action Network

2018 Upcoming Events, Workshops, and Green Career Momentum

- **4th Green Finance Event – “Project Finance: Where the Rubber Meets the Road” - January 18, 2018 (with Potential Energy DC, at WeWork in Washington, DC)**
- **Green Career Workshop, January 24, 2018**
- **Career Development MasterMind Group (Green Career Momentum) – Starting in January 2018**
- **Energy & Sustainability Extravaganza at University of Maryland, February 2018**

Thank You - Our Board and Team Members

Janine Finnell, Executive Director and President

Bill Brandon, Chief Technology & Research Officer and Vice President

Barbara Englehart, Director, Business Sustainability and
Treasurer/Secretary

EdieAnn Feigles, Director, Business Development

John Gaffigan, Director of Membership and Sponsorship

Travis High, Product Development Strategy and Blog Editor

Silvia Leahu-Aluas, Director, Sustainable Manufacturing

Tamaki Stiles, Financial Analysis and Data Management Advisor

Kerry Worthington, Reporter

Elvin Yuzugullu, Ph.D., Director, International Sustainability



Thank You - Our Sponsors



Thank You - Our Benefactors

Alliance for the Chesapeake Bay

Amicus Green Building Center

Association of Energy Engineers- National Capital Chapter

Career Confidence

Green America

GreenLeaders DC

International Society of Sustainability Professionals

Mili Salon

One Montgomery Green

Potential Energy DC

Resilient Virginia

Solar Household Energy

The McCormick Group



Thank You - Our Advisors

Petrus Alcindor, Strategy Advisor
Miriam Aczel, Analyst and Reporter
Christine Brooks, Vision and Strategy
Peter Costolanski, Research and Communications
Jeannine Curtin, Four Gen Awards
John Craig, Small Group Facilitator
Agustin Cruz, Strategy
Clifford Deaton, Ph.D., Circular Economy Working Group
Carole Douglass, Communications
Carla Fleming, Business Strategy
Mariah Gaffigan, Logistics Coordinator
Candice Guilladeu, Business Process and Analysis

Silvia Lucero, University Outreach
Anant Mohan, Ambassador Program
Beth Offenbacher, Ph.D., Career Coach and Facilitator
Sean O'Neill, Media and Public Affairs
Leila Peck, Strategy
Dolores Priegnitz, Ph.D., Change Management
Jen Rusk, Team Leader
Kevin Stallings, Green Jobs Program
Xavier Vergara, Sustainable Development
Joel Yudken, Ph.D., Economic and Workforce Development



Thank You - Our Volunteers Throughout the Year

**Maria Amodio
Ari Dolmon
Melis Hambrix
Nick Hanson
Dean Jordan
Justin Jasiulevicius**

**Lea Kassa
Sheila McGrath
Andrew Miller
Carolina Pena
Ben Sellers
Barbara Swart**



Thank You - Our Attendees!



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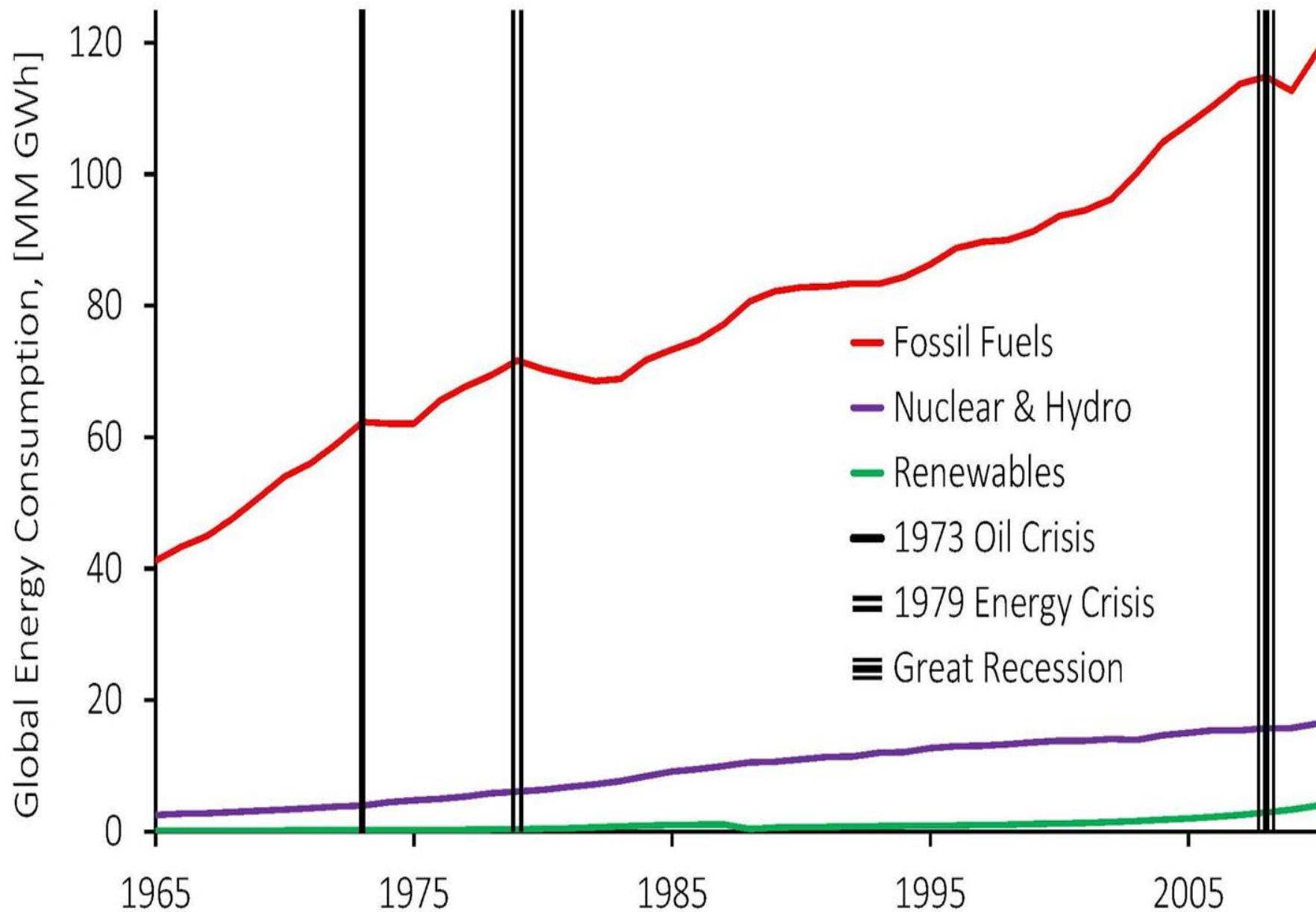
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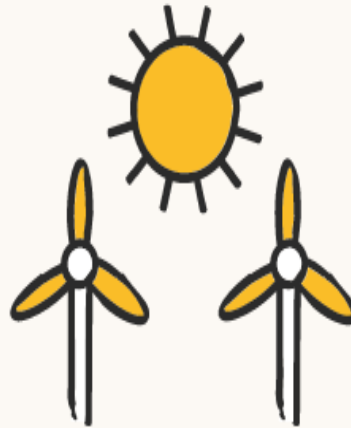
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Global energy consumption by fuel type, (BP Statistical Review of World Energy)



When companies have to pay to pollute, they create less pollution.



A price on carbon makes renewable forms of energy more affordable.



Anywhere you put a price on carbon you create jobs and generate money.



Carbon Pricing Around the World







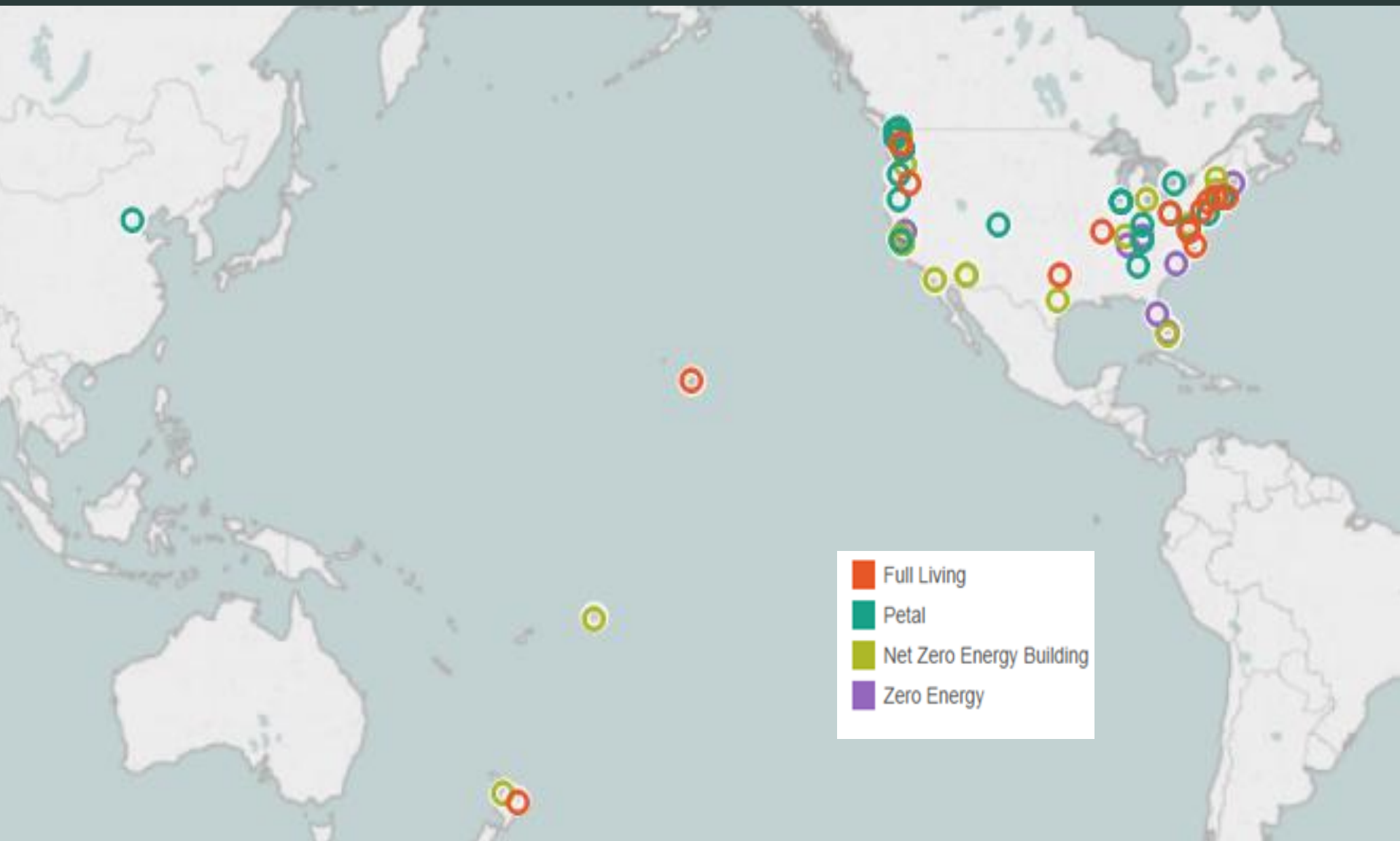
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Living Building Challenge: Net-zero energy , net-zero water, carbon neutral, using construction materials that are non-toxic and non-polluting and meeting numerous other environmental and social criteria.



The Cafritz Environmental Center is just the 13th project in the world to achieve full Living Building Challenge certification, the most rigorous and ambitious standard for buildings on the planet.



Living Building Certified Projects



Registered Projects



Building for the Future: This isn't all about buildings. These innovative and inspirational teaching tools.



FERGUSONFOUNDATION.ORG



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Thank You and Happy Holidays!